

What is claimed is:

5 1. An improved bale wagon comprising a movable
rack of tines, the improvement consisting essentially of
the tines being pivotally adjustable at a tine tilt angle
measured relative to the bale wagons load bed.

10 2. The bale wagon of claim 1 wherein the tines
may be adjusted to rest at any of several positions, which
positions reduce the tine tilt angle by increments of about
1.5° to about 2°.

15 3. The bale wagon of claim 1 wherein the
adjustable tines dictate variable angles at which stacks of
bales are unloaded.

20 4. The bale wagon of claim 1 wherein the rack
of tines comprises a crossbar and brackets to receive the
tines in pivotal engagement to the crossbar.

25 5. The bale wagon of claim 4 wherein the
brackets include multiple positions of tilt for each tine,
allowing adjustment at between tilt angles of about 90° and
30 about 84°.

6. The bale wagon of claim 4 wherein the tilt angles are selected from the group consisting of 89.5° , 87.5° , 86° , and 84.5° .

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7. The bale wagon of claim 5 further comprising a bolt, and holes in each bracket to allow controlling the tilt angle by moving the bolt from one hole to another.

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8. A method for unloading tiers of stacked bales from a loaded bale wagon, said method comprising, unloading a first load of bales to lean at an angle corresponding to a first tilt angle less than 90° , and
15 then, against said, first tilt angle, unloading a second load bales from the same wagon at a different tilt angle derived from pivotally adjusting tines on said bale wagon.